

Application No. 10/645,309
Amend. dated Aug. 26, 2004
Reply to Office Action of July 26, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (original) An inflatable sport ball having an internal air pressure, said ball comprising:

an internal pump attached to the ball, said pump including:

a cylinder having an air outlet into the ball,

a valve attached to said air outlet regulating air flow from said cylinder into the ball,

a hollow piston positioned in said cylinder, said piston operable to draw ambient air from outside the ball into said cylinder and to force the air within said cylinder through said valve into the ball;

an air pressure indicator positioned within said piston;

a needle extending from said piston toward said valve, said needle traversing said valve to connect said piston with the air pressure of the ball to position said air pressure indicator.

Claim 2. (original) The sport ball as described in claim 1 further comprising:

means for actuating said piston from outside the ball, wherein said means for actuating said piston comprise a piston rod attached to said piston and extending through an opening in the ball and movable between an extended position and an inserted position.

Claim 3. (original) The sport ball described in claim 1 further comprising:

a recess in said piston;

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a pair of flanges surrounding said piston proximate said recess; and
an adjustable O-ring intermediate said flanges and engaging said recess.

Claim 4. (original) The sport ball described in claim 1, wherein said air pressure indicator comprises a gage piston and a gage puck connected to said gage piston.

Claim 5. (original) The sport ball as described in claim 1 wherein said piston comprises a substantially clear polycarbonate material.

Claim 6. (original) The sport ball as described in claim 1 wherein said piston comprises a translucent polycarbonate material.

Claim 7. (original) The sport ball as described in claim 1 further comprising at least one pressure indicating line marked on said piston.

Claim 8. (canceled)

Claim 9. (canceled)

Claim 10. (canceled)

Claim 11. (currently amended) An internal pump for measuring and controlling the internal air pressure of a sport ball, said internal pump comprising:

a cylinder mounted within the sport ball and having an air outlet into the ball,

a valve attached to said air outlet regulating air flow from said cylinder into the ball,

a hollow piston positioned in said cylinder, said piston operable to draw ambient air from outside the ball into said cylinder and to force the air within said cylinder through said valve into the ball;

means for monitoring the air pressure within the ball, said monitoring means positioned in said hollow piston;

means for connecting said hollow piston with the internal area of the ball, said connecting means traversing said valve.

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Claim 12. (currently amended) The internal pump sport-ball as described in claim 11 further comprising:

means for actuating said piston from outside said carcass, wherein said means for actuating said piston comprise a piston rod attached to said hollow piston and extending through an opening in the ball and movable between an extended position and an inserted position.

Claim 13. (currently amended) The internal pump sport-ball described in claim 11 wherein said monitoring means comprises a ball.

Claim 14. (currently amended) The internal pump sport-ball described in claim 11 wherein said monitoring means comprises a puck connected to a piston.

Claim 15. (currently amended) The internal pump sport-ball described in claim 11 further comprising:

a recess in said hollow piston;

a pair of flanges surrounding said piston proximate said recess; and

an adjustable O-ring intermediate said flanges and engaging said recess.

Claim 16. (currently amended) The internal pump sport-ball as described in claim 11 wherein said hollow piston comprises a substantially clear polycarbonate material.

Claim 17. (currently amended) The internal pump sport-ball as described in claim 11 wherein said hollow piston comprises a translucent polycarbonate material.

Claim 18. (currently amended) The internal pump sport-ball as described in claim 11 further comprising at least one pressure indicating line marked on said hollow piston.

Claim 19. (currently amended) The internal pump sport-ball as described in claim 11 wherein said connecting means further comprises a needle.